

Title (en)
Capacitive pressure sensor

Title (de)
Kapazitiver Drucksensor

Title (fr)
Capteur de pression capacitif

Publication
EP 2706335 B1 20191106 (EN)

Application
EP 13183108 A 20130905

Priority
US 201213607591 A 20120907

Abstract (en)
[origin: EP2706335A1] High temperature pressure sensing devices and methods are disclosed. In some embodiments, a high temperature pressure sensor including intrinsic zero output and span correction versus temperature is disclosed. In addition, ways in which to improve high temperature performance through the use of intermediate circuits located towards the distal end of the high temperature pressure sensor as well as configurations to reduce thermally induced stresses within the pressure sensor are disclosed. The disclosed embodiments also detail ways in which to reduce signal loss due to various stray capacitances within the pressure sensor to improve signal fidelity and sensitivity.

IPC 8 full level
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CPC (source: EP US)
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Cited by
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